

Attorney Docket No. 00621/TL

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

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Yolanda Usher
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Applicant(s): Patrick SALLE

Serial No. : (Nat'l. Phase of PCT/FR99/00613
filed on 17 Mar. 1999)

Filed : CONCOMITANTLY HEREWITH

For : METHOD FOR DATA SECUREMENT USING
A CRYPTOGRAPHIC ALGORITHM

Art Unit :
Examiner :

LETTER TO OFFICIAL DRAFTSPERSON

Asst. Commissioner for Patents
Washington, D.C. 20231

S I R :

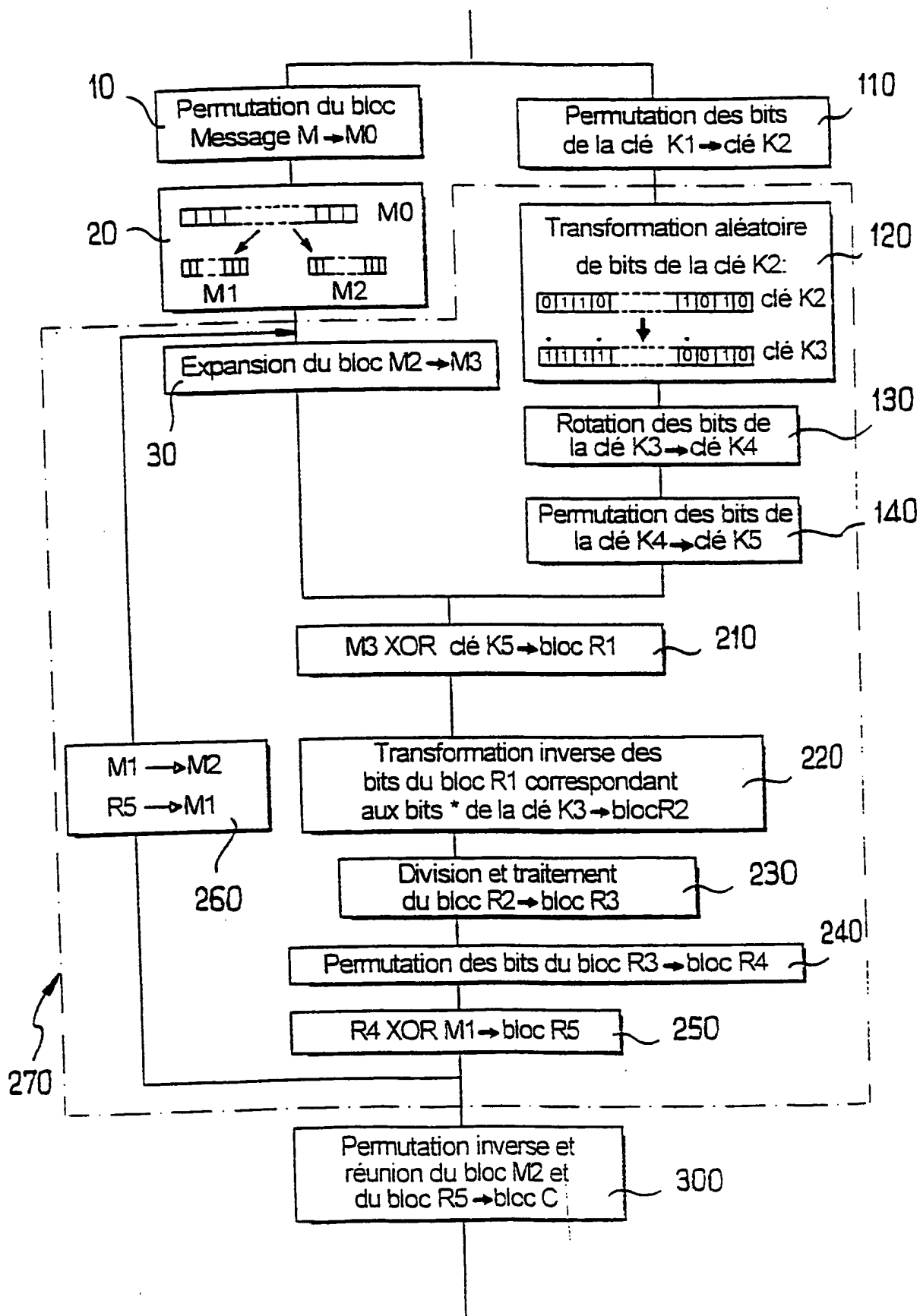
The sheet attached to the Figure provides an English
translation of the original French labeling for the boxes in the
drawing. The Figure is to be revised by substituting the English
translation for the original French. No new matter is involved.

Approval and entry is respectfully requested.

Respectfully submitted,

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TL:yu



<u>Box No.</u>	<u>Box Label</u>
10	Permutation of the Message block $M \rightarrow M_0$
30	Expansion of the block $M_2 \rightarrow M_3$
110	Permutation of the bits of the key $K_1 \rightarrow$ key K_2
120	Random transformation of bits of the key K_2 : key K_2 key K_3
130	Rotation of the bits of the key $K_3 \rightarrow$ key K_4
140	Permutation of the bits of the key $K_4 \rightarrow$ key K_5
210	$M_3 \text{ XOR key } K_5 \rightarrow$ block R_1
220	Inverse transformation of the bits of the block R_1 corresponding to the bits * of the key $K_3 \rightarrow$ block R_2
230	Division and processing of the block $R_2 \rightarrow$ block R_3
240	Permutation of the bits of the block $R_3 \rightarrow$ block R_4
250	$R_4 \text{ XOR } M_1 \rightarrow$ block R_5
300	Inverse permutation and combining of the block M_2 and the block $R_5 \rightarrow$ block C